1   1.   (currently amended)   A method for the controlled

2   delivery of digital services ~~within~~ in a plurality of providers

3   (SP) ~~and~~ to a users (U), wherein said services are identified by

4   respective stream of encoded digital data emitted by said providers

5   (SP) and the users ~~are~~ is provided with a receiver (STB) to receive

6   said digital data streams from said providers, the receiver being

7   selectively enabled to make use of determined services of a given

8   provider ~~through a respective user unit (105)~~, the method compris-

9   ing the steps of:

10   incorporating into said digital data streams respective

11   enabling ~~at least one~~ algorithms to be selectively loaded into a

12   single removable user unit (105) to be associated to said receiver

13   (STB) for enabling the use of respective determined services (TMW2)

14   of said plurality of providers,

15   incorporating into said digital data streams a respective

16   identifying code (EMM) for ~~each~~ the user (U) to be enabled to

17   receive ~~a certain service~~ said determined services,

18   associating to said single removable user unit (105) a

19   processing function (VM) capable of recognizing and executing said

20   ~~at least one~~ enabling algorithm by exploiting said identifying code

21   to enable the receiver (STB) of the ~~respective~~ user to make use of

22   said ~~service~~ determined services.

1   2.   (currently amended)   The method according to claim 1,

2   which comprises the step of configuring said single removable user

3   unit (105) as a movable processing support uniquely assigned to ~~one~~

4   ~~of~~ said users (1) ~~and arranged to be selectively associated to said~~

5   ~~receiver (STB), said receiver (STB) being of a generalized type~~

6   ~~common to multiple users of said plurality (U)~~.

1   3.   (currently amended) The method according to claim 2

2   which comprises the step of configuring said <u>single removable user</u>

3   <u>unit (105)</u> ~~movable processing support~~ as a smart card.

1   4.   (currently amended) The method according to claim 3

2   which comprises the steps of:

3   associating to said receiver (STB) a trusted middleware

4   (TMW) function,

5   configuring said trusted middleware function into a

6   static part (TMWI), residing on said receiver (STB), and a dynamic

7   part (TMW2) arranged to be selectively transferred onto said <u>single</u>

8   <u>removable</u> user unit (105) in view of the execution of said ~~at least~~

9   ~~one~~ <u>respective enabling</u> algorithm by said processing function (VM).

1   5.   (currently amended) The method according to claim 3

2   which comprises the steps of:

3   configuring said digital data streams as MPEG data

4   streams containing EMM messages,

5   inserting said identifying code in to the EMM messages,

6   activating, through said <u>single removable</u> user unit (105)

7   and upon reception of said ~~at least one~~ <u>single removable</u> algorithm,

8   the performance of the following functions:

9   extracting, reading and deciphering the EMM messages

10   contained in the digital data stream received,

11   interpreting said identification code contained in the

12   EMM messages,

13   executing said ~~at least one~~ enabling algorithm by ex-

14   ploiting said identification code.

1   6. (currently amended) The method according to claim 3

2   wherein said ~~at least one~~ enabling algorithm is incorporated in to

3   a stream of private data within said digital data stream.

1   7.   (currently amended) The method according to claim 3

2   wherein, upon reception of said ~~at least one~~ <u>enabling</u> algorithm,

3   said processing function (VM) enables said receiver to operation as

4   transmitters to transmit information about the delivery of the

5   service itself.

1   8.   (currently amended) A system for the controlled

2   delivery of digital services by a plurality of providers (SP) to a

3   ~~plurality of~~ users (U), wherein said services are identified by

4   respective coded digital data streams delivered by ~~at least one~~

5   ~~device for at least one service provider said providers~~ (SP) and

6   the users ~~are~~ <u>is</u> provided with ~~at least one~~ <u>a</u> receiver (STB) ~~for at~~

7   ~~least one user~~ to receive said digital data streams <u>by said plural-</u>

8   <u>ity of providers</u>, the receiver being selectively enabled to make

9   use of determined services <u>of a given provider</u> ~~through a respective~~

10   ~~user unit (105)~~, wherein:

11   said providers (SP) are arranged to incorporate into ~~the~~

12 ~~respective~~ <u>said</u> digital data streams ~~at least one~~ <u>respsective</u>

13 <u>enabling</u> algorithm<u>s</u> ~~for~~ <u>to be selectively loaded into a single</u>

14 <u>removable user unit (105) to be associated to said receiver (STB)</u>

15 <u>for</u> enabling use of respective determined services <u>of said plural-</u>

16 <u>ity of providers</u>, as well as ~~to incorporate into said digital data~~

17 ~~streams~~ a respective identification code (TMW2) ~~for each~~ <u>of the</u>

18 user (U) to be enabled to receive ~~a~~ <u>said</u> determined service<u>s</u>, and

19   said <u>single removable</u> user units (105) ~~have~~ <u>has</u> associ-

20 ated thereto a processing function (VM) arranged to recognize and

21 execute said ~~at least one~~ <u>enabling</u> algorithm on the basis of said

22 identifying code, to enable the receiver (STB) of the ~~respective~~

23 user to make use of said <u>determined</u> service<u>s</u>.

1   9. (currently amended) The system according to claim 8

2 wherein said <u>single removable</u> user unit~~s~~ (105) ~~are~~ <u>is</u> configured as

3 <u>a</u> removable processing support~~s~~ uniquely assigned ~~each~~ to ~~one of~~

4 said users (~~1~~<u>U</u>) ~~and arranged to be selectively associated to said~~

5 ~~receiver, said receiver being of a generalized type common to~~

6 ~~multiple users of said plurality (U)~~.

1   10. (currently amended) The system according to claim 9

2 wherein said ~~movable processing supports are~~ <u>single removable user</u>

3 <u>unit is</u> configured as <u>a</u> smart card~~s~~.

1   11. (currently amended) The system according to claim 8

2   , wherein:

3   said receiver has associated thereto a trusted middleware

4   function (TMW) configured in a static part (TMW1), residing on said

5   receiver (STB), and in a dynamic part (TMW2) arranged to be selec-

6   tively transferred on the ~~respective~~ single removable user unit

·7   (105) in view of the execution of said ~~at least one~~ enabling

8   algorithm by said processing function (VM).

1   12. (previously presented) The system according to

2   claim 8 wherein said service providers emit said digital data

3   streams as MPEG data streams containing EMM messages with said

4   identifying code inserted in said EMM messages, and said receiver

5   comprises:

6   modules for extracting, reading and deciphering the EMM

7   messages contained in the received digital data stream,

8   modules (103, 104) for interpreting said identifying code

9   contained in the EMM messages, and

10   processing modules (VM) to execute said at least one

11   enabling algorithm on the basis of said identifying code.

1   13. (currently amended) The system according to claim 8

2   wherein said service providers incorporate said ~~at least one~~

3   enabling algorithm into a stream of private data within said data

4   streams.

1   14.   (currently amended)   The system according to claim

2   13 _wherein_ the receiver can be activated by said _single removable_

3   user unit (105) upon reception of said ~~at least one~~ _enabling_

4   algorithm for operation as _a_ transmitter~~s~~ to transmit information

5   about the delivery of the service itself.

1   15.   (currently amended)   The system according to claim 8

2   wherein said _single removable_ user unit (105) is configured as a

3   Java Card.